Name: _____

Sr: 19032022-2572

March 19, 2022

MATHS WORKSHEET GENERATOR 11-PLUS SATS GCSES

1) Factorise $3s^2 + 18s + 15$

Answer: _____

2) Factorise $j^2 + 10j + 16$

Answer: _____

3) Find the value of 'q' by completing the square of the following equation: $^2 + 6q + 9$

Answer: _____

4) Solve by factorising
$f^2 - 7f - 18 = 0$

Answer: _____

5) Solve by factorising
$s^2 + 6s + 5 = 0$

Answer: _____

6) Solve $7q^2 - 18q - 12 = 0$
Round your solutions to 1 decimal place.

Answer: _____

7) Factorise $8j^2 + 23j + 14$

Answer: _____

8) Solve by factorising
$s^2 + 20s + 19 = 0$

Answer: _____

9) Factorise $j^2 + 5j + 6$

Answer: _____

10) Find the value of 'd' by completing the square of the following equation: $^2 + 6d + 9$

Answer: _____

11) Solve by factorising
$j^2 - 3j - 18 = 0$

Answer: _____

12) Factorise $7f^2 + 39f + 20$

Answer: _____

13) Solve by factorising
$j^2 + 5j - 14 = 0$

Answer: _____

14) Find the value of 'f' by completing the square of the following equation: $^2 + 6f + 9$

Answer: _____

15) Solve $6s^2 + 11s + 1 = 0$
Round your solutions to 1 decimal place.

Answer: _____

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MATHS WORKSHEET GENERATOR 11-PLUS SATS GCSES

16) Find the value of 'j' by completing the square of the following equation: ^{2} + 8j + 12

Answer: _____

17) Solve $2f^2 + 13f - 5 = 0$
Round your solutions to 1 decimal place.

Answer: _____

18) Solve $13q^2 - 4q - 11 = 0$
Round your solutions to 1 decimal place.

Answer: _____

19) Solve by factorising
$x^2 - 11x + 18 = 0$

Answer: _____

20) Find the value of 's' by completing the square of the following equation: ^{2} + 10s + 16

Answer: _____

21) Solve $11s^2 - 12s - 12 = 0$
Round your solutions to 1 decimal place.

Answer: _____

22) Find the value of 'x' by completing the square of the following equation: ^{2} + 6x + 8

Answer: _____

23) Solve $11f^2 + 11f - 9 = 0$
Round your solutions to 1 decimal place.

Answer: _____

24) Factorise $s^2 + 9s + 14$

Answer: _____

25) Factorise $4f^2 + 20f + 16$

Answer: _____

26) Solve by factorising
$s^2 + 1s - 6 = 0$

Answer: _____

27) Factorise $j^2 + 9j + 18$

Answer: _____

28) Factorise $j^2 + 8j + 12$

Answer: _____

29) Solve by factorising
$d^2 + 4d + 3 = 0$

Answer: _____

30) Factorise $q^2 + 6q + 9$

Answer: _____

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Answers:

1) (3s + 15)(s + 3)	2) (j + 2)(j + 8)	3) $(q + 3)^2$	4) f = 9 or -2	5) s = -1 or -5	6) q = 3.1 or -0.5	7) (1j + 2)(j + 7)
8) s = -1 or -19	9) (j + 2)(j + 3)	10) $(d + 3)^2$	11) j = 6 or -3	12) (1f + 5)(f + 4)	13) j = 2 or -7	14) $(f + 3)^2$
15) s = -0.1 or -1.7	16) $(j + 4)^2 - 4$	17) f = 0.4 or -6.9	18) q = 1.1 or -0.8	19) x = 9 or 2	20) $(s + 5)^2 - 9$	21) s = 1.7 or -0.6
22) $(x + 3)^2 - 1$	23) f = 0.5 or -1.5	24) (s + 2)(s + 7)	25) (4f + 16)(f + 4)	26) s = 2 or -3	27) (j + 3)(j + 6)	28) (j + 2)(j + 6)
29) d = -1 or -3	30) (q + 3)(q + 3)					

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